## WHAT IS CLAIMED IS:

- 1. A pharmaceutical composition for the treatment of sinusitis comprising a therapeutically effective amount of a peptide having a C-terminal sequence amino acid sequence KPV in combination with a therapeutically effective amount of a decongestant/antihistamine.
- The pharmaceutical composition of claim 1 wherein the peptide is selected from the group of peptides with a C-terminal amino acid sequence consisting of: KPV, VPK-Ac-CC-Ac-KPV, HFRWGKPV and SYSMEHFRWGKPV.
  - 3. The composition of claim 1 wherein said decongestant/antihistamine is selected from the group consisting of: pseudoephidrine, phenylephrine, phenylpropanolamine, chloropheniramine, bromopheniramine, pheniramine and loratidine.
  - 4. The composition of claim 1 further comprising a therapeutically effective amount of an antibiotic.
  - The composition of claim 4 wherein said antibiotic is selected from the group consisting 5. penicillin, erythromycin, nafcillin. ampicillin, azithramycin, amoxicillin, of: cefuroxime axetil, cefpodoxime proxetil, amoxicillin/clavulanate potassium, clarithromycin, and azithromycin.
  - 6. The composition of claim 1 further comprising a therapeutically effective amount of a glucocorticosteroid.
- 7. The composition of claim 6 wherein said glucocorticosteroid is selected from the group consisting of: betamethasone, budesponide, cortisone, dexamethasone, hydrocortisone, methylprednisone, prednisone, triamcinolone.
  - 8. The composition of claim 1 further comprising a therapeutically effective amount of a fungicide.

- 9. The composition of claim 8 wherein said fungicide is selected from the group consisting of: itraconazole, econazole, ketoconazole, miconazole and fluconazole.
- 10. The pharmaceutical composition of claim 1 further contained in a carrier.
- 11. The composition of claim 10 wherein the concentration of said peptide is at least 10<sup>-12</sup>M.
- The composition of claim 11 wherein the carrier is selected from the group consisting of: saline, phosphate buffered saline, gelatin maltodextrin, cellulose, microcrystalline cellulose, methyl cellulose, carboxymethyl cellulose and hydroxymethyl cellulose with glycerin.
  - 13. A pharmaceutical composition for the treatment of sinusitis comprising a therapeutically effective amount of a peptide having a C-terminal sequence amino acid sequence KPV in combination with a therapeutically effective amount of a decongestant/antihistamine and a therapeutically effective amount of a fungicide.
  - 14. The pharmaceutical composition of claim 13 wherein the peptide is selected from the group of peptides with a C-terminal amino acid sequence consisting of: KPV, VPK-Ac-CC-Ac-KPV, HFRWGKPV and SYSMEHFRWGKPV.
  - 15. The composition of claim 13 wherein said fungicide is selected from the group consisting of: itraconazole, econazole, ketoconazole, miconazole and fluconazole.
  - 16. The composition of claim 13 further comprising application of a therapeutically effective amount of an antibiotic.
- The composition of claim 16 wherein said antibiotic is selected from the group consisting 17. 20 azithramycin, erythromycin, nafcillin, penicillin. amoxicillin, ampicillin, of: cefpodoxime proxetil, cefuroxime axetil, amoxicillin/clavulanate potassium, clarithromycin, and azithromycin.

5

- 18. The composition of claim 13 further comprising a therapeutically effective amount of a glucocorticosteroid.
- 19. The composition of claim 18 wherein said glucocorticosteroid is selected from the group consisting of: betamethasone, cortisone, dexamethasone, hydrocortisone, methylprednisone, prednisone, triamcinolone.
- 20. The composition of claim 13 wherein said antihistamine/decongestant is selected from the group consisting of: pseudoephedrine, phenylephrine, phenylpropanolamine, chloropheniramine, bromopheniramine, pheniramine and loratidine.
- 21. The pharmaceutical composition of claim 10 further solvated in a carrier.
- 22. The composition of claim 21 wherein the concentration of said peptide is at least 10<sup>-12</sup>M.
- 23. The composition of claim 21 wherein the carrier is selected from the group consisting of: saline, phosphate buffered saline, gelatin maltodextrin, cellulose, microcrystalline cellulose, methyl cellulose, carboxymethyl cellulose and hydroxymethyl cellulose with glycerin.
- 24. A method for the treatment of sinusitis comprising application of a pharmaceutical effective amount of a peptide having a C-terminal sequence amino acid sequence KPV.
- 25. The method of claim 24 wherein the peptide is selected from the group with a C-terminal amino acid sequence consisting of KPV, VPK-Ac-CC-Ac-KPV, HFRWGKPV and SYSMEHFRWGKPV.
- 20 26. The method of claim 24 further comprising application of therapeutically effective amount of a fungicide.
  - 27. The method of claim 26 wherein said fungicide is selected consisting of: itraconazole, econazole, ketoconazole, miconazole and fluconazole.

5

- 28. The method of claim 24 further comprising application of a therapeutically effective amount of an antibiotic.
- 29. The method of claim 28 wherein said antibiotic is selected from the group consisting of: amoxicillin, ampicillin, azithramycin, erythromycin, nafcillin, penicillin, amoxicillin/clavulanate potassium, cefuroxime axetil, cefpodoxime proxetil, clarithromycin, and azithromycin.
- 30. The method of claim 24 further comprising application of a therapeutically effective amount of a decongestant/antihistamine.
- The method of claim 28 further said decongestant is selected from the group consisting of: pseudoephidrine, phenylephrine, phenylpropanolamine, chloropheniramine, bromopheniramine, pheniramine and loratidine.
- 32. The method of claim 24 further comprising application of a therapeutically effective amount of a glucocorticosteroid.
- 33. The method of claim 32 wherein said glucocorticosteroid is selected from the group consisting of: betamethasone, cortisone, dexamethasone, hydrocortisone, methylprednisone, prednisone, triamcinolone.
- 34. The method of claim 24 wherein said peptide is systemically or topically applied before, during or after surgery performed to treat sinusitis.